**Physics in Action: Activity 7  
Concentrating on Collisions**

Goals…

* **Understand and apply the definition of momentum: momentum = *mv***
* **Conduct analyses of the momentum of pairs of objects involved in one-dimensional collisions**
* **Infer the relative masses of two object by staging and observing collisions between the objects**

For You To Read Key Points To Learn

* **Momentum** – the product of the Click here to enter text. and the Click here to enter text.of an object: momentum is a Click here to enter text. quantity
* Momentum = *­­­­­­­­­­*Click here to enter text.

**Physics in Action: Activity 8  
Conservation of Momentum**

Goals…

* **Understand and apply the Law of the Conservation of Momentum**
* **Measure the momentum before and after a moving mass strikes a stationary mass in a head-on, inelastic collision**

For You To Read Key Points To Learn

* **Conservation of Momentum** – the Click here to enter text.momentum Click here to enter text. a collision is Click here to enter text.to the Click here to enter text. momentum after the collision if no Click here to enter text. forces act on the system
* (mava)before + (mbvb) before= (mava) after + (mbvb) after